

## Supporting Table S2

Setting	Sensitivity (95% C.I.)	Specificity (95% C.I.)
Unmodified	0.879 (0.767, 0.977)	0.854 (0.772, 0.933)
Randomized	0.869 (0.766, 0.957)	0.851 (0.759, 0.940)
Ladderized	0.976 (0.918, 1.000)	0.919 (0.852, 0.980)
Rotating cherries	0.981 (0.938, 1.000)	0.925 (0.860, 0.980)
Rotating nodes with ties	0.979 (0.935, 1.000)	0.922 (0.857, 0.980)
Rotating all nodes	0.967 (0.889, 1.000)	0.909 (0.842, 0.979)
Rotating nodes with ties by subtree	0.976 (0.920, 1.000)	0.918 (0.847, 0.980)
Rotating all nodes by subtree	0.878 (0.764, 0.974)	0.856 (0.766, 0.936)